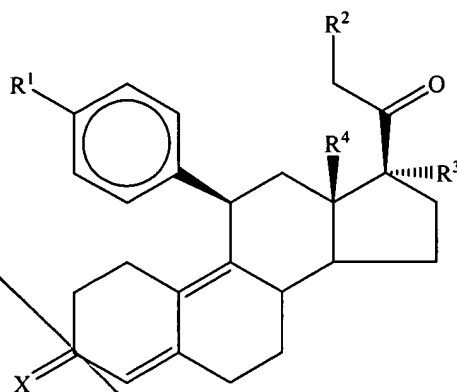


**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1 Claim 1 (currently amended): A compound having the general formula:



2  
3 wherein:

4 R<sup>1</sup> is a member selected from the group consisting of -OCH<sub>3</sub>, -SCH<sub>3</sub>, -N(CH<sub>3</sub>)<sub>2</sub>,  
5 -NHCH<sub>3</sub>, -NC<sub>4</sub>H<sub>8</sub>, -NC<sub>5</sub>H<sub>10</sub>, -NC<sub>4</sub>H<sub>8</sub>O, -CHO, -CH(OH)CH<sub>3</sub>, -C(O)CH<sub>3</sub>, -O(CH<sub>2</sub>)<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>,  
6 -O(CH<sub>2</sub>)<sub>2</sub>NC<sub>4</sub>H<sub>8</sub>, and -O(CH<sub>2</sub>)<sub>2</sub>NC<sub>5</sub>H<sub>10</sub>;

7 R<sup>2</sup> is a member selected from the group consisting of hydrogen, halogen, alkyl,  
8 acyl, hydroxy, alkoxy, acyloxy, alkylcarbonate, cypionyloxy, S-alkyl, -SCN, S-acyl, and  
9 -OC(O)R<sup>6</sup>, wherein R<sup>6</sup> is a member selected from the group consisting of alkyl, alkoxy ester and  
10 alkoxy;

11 R<sup>3</sup> is a member selected from the group consisting of alkyl-alkoxy, alkoxy and  
12 acyloxy;

13 R<sup>4</sup> is a member selected from the group consisting of hydrogen and alkyl;

14 X is a member selected from the group consisting of =O and =N-OR<sup>5</sup>, wherein R<sup>5</sup>  
15 is a member selected from the group consisting of hydrogen and alkyl; and

16 wherein:

17 if R<sup>1</sup> is -C(O)CH<sub>3</sub>, -N(CH<sub>3</sub>)<sub>2</sub> or -NHCH<sub>3</sub>, R<sup>2</sup> is hydrogen, R<sup>3</sup> is acetyloxy and R<sup>4</sup>  
18 is methyl, then X is other than =O; and  
19 if R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>, R<sup>2</sup> is hydroxy, R<sup>4</sup> is alkyl and X is =O, then R<sup>3</sup> is other than  
20 hydroxy.

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cont.  
1 Claim 2 (original): The compound in accordance with claim 1, wherein R<sup>1</sup> is a  
2 member selected from the group consisting of -N(CH<sub>3</sub>)<sub>2</sub>, -NC<sub>4</sub>H<sub>8</sub>, -NC<sub>5</sub>H<sub>10</sub>, -NC<sub>4</sub>H<sub>8</sub>O,  
3 -C(O)CH<sub>3</sub>, -O(CH<sub>2</sub>)<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, -O(CH<sub>2</sub>)<sub>2</sub>NC<sub>4</sub>H<sub>8</sub>, and -O(CH<sub>2</sub>)<sub>2</sub>NC<sub>5</sub>H<sub>10</sub>.

Cont.  
1 Claim 3 (previously presented): The compound in accordance with claim 1,  
2 wherein R<sup>2</sup> is a member selected from the group consisting of hydrogen, acyloxy, alkoxy, -SAc,  
3 -SCN, -OC(O)CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, and -OC(O)R<sup>6</sup>, wherein R<sup>6</sup> is a member selected from the group  
4 consisting of alkyl, alkoxy ester and alkoxy.

1 Claim 4 (withdrawn): The compound in accordance with claim 3, wherein R<sup>2</sup> is  
2 -OC(O)R<sup>6</sup> and R<sup>6</sup> is a member selected from the group consisting of -CH<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>OCH<sub>3</sub> and  
3 -OCH<sub>3</sub>.

1 Claim 5 (original): The compound in accordance with claim 1, wherein R<sup>2</sup> is an  
2 alkoxy selected from the group consisting of methoxy, ethoxy, vinyloxy, ethynyloxy and  
3 cyclopropyloxy.

1 Claim 6 (previously presented): The compound in accordance with claim 1,  
2 wherein R<sup>3</sup> is a member selected from the group consisting of alkoxy and acyloxy.

1 Claim 7 (original): The compound in accordance with claim 1, wherein R<sup>4</sup> is  
2 alkyl.

1 Claim 8 (original): The compound in accordance with claim 1, wherein X is =O.

1 Claim 9 (withdrawn): The compound in accordance with claim 1, wherein X is  
2 =N-OR<sup>5</sup>.

1 Claim 10 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is hydrogen;

4 R<sup>3</sup> is acyloxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 11 (withdrawn): The compound in accordance with claim 10, wherein R<sup>3</sup>  
2 is acyloxy selected from the group consisting of -OC(O)H, -OC(O)CH<sub>2</sub>CH<sub>3</sub> and -OC(O)C<sub>6</sub>H<sub>13</sub>.

1 Claim 12 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is hydrogen;

4 R<sup>3</sup> is methoxymethyl;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 13 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NC<sub>4</sub>H<sub>8</sub>;

3 R<sup>2</sup> is hydrogen;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 14 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NC<sub>5</sub>H<sub>10</sub>;

3 R<sup>2</sup> is hydrogen;  
4 R<sup>3</sup> is acetoxy;  
5 R<sup>4</sup> is methyl; and  
6 X is =O.

1 Claim 15 (withdrawn): The compound in accordance with claim 1, wherein:  
2

3 R<sup>1</sup> is -NC<sub>4</sub>H<sub>8</sub>O;  
4 R<sup>2</sup> is hydrogen;  
5 R<sup>3</sup> is acetoxy;  
6 R<sup>4</sup> is methyl; and  
X is =O.

1 Claim 16 (canceled)

1 Claim 17 (withdrawn): The compound in accordance with claim 1, wherein:  
2

3 R<sup>1</sup> is -SCH<sub>3</sub>;  
4 R<sup>2</sup> is hydrogen;  
5 R<sup>3</sup> is acetoxy;  
6 R<sup>4</sup> is methyl; and  
X is =O.

1 18. (withdrawn) The compound in accordance with claim 1, wherein:  
2

3 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;  
4 R<sup>2</sup> is hydrogen;  
5 R<sup>3</sup> is methoxy;  
6 R<sup>4</sup> is methyl; and  
X is =O.

1 Claim 19 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NC<sub>5</sub>H<sub>10</sub>;

3 R<sup>2</sup> is hydrogen;

4 R<sup>3</sup> is methoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 20 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NC<sub>5</sub>H<sub>10</sub>;

3 R<sup>2</sup> is acetoxy;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 21 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -C(O)CH<sub>3</sub>;

3 R<sup>2</sup> is acetoxy;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 22 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -C(O)CH<sub>3</sub>;

3 R<sup>2</sup> is -SAc;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 23 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -C(O)CH<sub>3</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is methoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 24 (original): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is methoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 25 (original): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is ethoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 26 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NC<sub>4</sub>H<sub>8</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is methoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 27 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NC<sub>5</sub>H<sub>10</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is methoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 28 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NC<sub>5</sub>H<sub>10</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 29 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -C(O)CH<sub>3</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 30 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -O(CH<sub>2</sub>)<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 31 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -O(CH<sub>2</sub>)<sub>2</sub>NC<sub>4</sub>H<sub>8</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 32 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -O(CH<sub>2</sub>)<sub>2</sub>NC<sub>5</sub>H<sub>10</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 33 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is -OC(O)CH<sub>2</sub>CH<sub>3</sub>;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 34 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is -OC(O)CH<sub>2</sub>OCH<sub>3</sub>;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.



1 Claim 35 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is -OC(O)OCH<sub>3</sub>;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 36 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is -OCH=CH<sub>2</sub>;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 37 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is -OCH=CH<sub>2</sub>;

4 R<sup>3</sup> is methoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 38 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is -OCH=CH<sub>2</sub>;

4 R<sup>3</sup> is ethoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 39 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is -SCN;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 40 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is -OC(O)H;

4 R<sup>3</sup> is -OC(O)H;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 41 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is -OC(O)H;

4 R<sup>3</sup> is hydroxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 42 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is -OC(O)CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 43 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NC<sub>5</sub>H<sub>10</sub>;

3 R<sup>2</sup> is hydrogen;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =N-OR<sup>5</sup>, wherein R<sup>5</sup> is hydrogen.

1 Claim 44 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is hydrogen;

4 R<sup>3</sup> is methoxy;

5 R<sup>4</sup> is methyl; and

6 X is =N-OR<sup>5</sup>, wherein R<sup>5</sup> is hydrogen.

1 Claim 45 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NC<sub>5</sub>H<sub>10</sub>;

3 R<sup>2</sup> is hydrogen;

4 R<sup>3</sup> is methoxy;

5 R<sup>4</sup> is methyl; and

6 X is =N-OR<sup>5</sup>, wherein R<sup>5</sup> is hydrogen.

1 Claim 46 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is methoxy;

5 R<sup>4</sup> is methyl; and

6 X is =N-OR<sup>5</sup>, wherein R<sup>5</sup> is hydrogen.

1 Claim 47 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NHCH<sub>3</sub>;

3 R<sup>2</sup> is methoxy;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 48 (withdrawn): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -NHCH<sub>3</sub>;

3 R<sup>2</sup> is acetoxy;

4 R<sup>3</sup> is acetoxy;

5 R<sup>4</sup> is methyl; and

6 X is =O.

1 Claim 49 (original): A pharmaceutical composition comprising an effective  
2 amount of a compound in accordance with claim 1 and a pharmaceutically acceptable excipient.

1 Claim 50 (withdrawn): A method of producing an antiprogestational effect in a  
2 patient, said method comprising administering to said patient an effective amount of a compound  
3 in accordance with claim 1.

1 Claim 51 (withdrawn): A method of inducing menses in a patient, said method  
2 comprising administering to said patient an effective amount of a compound in accordance with  
3 claim 1.

1 Claim 52 (withdrawn): A method of treating endometriosis, said method  
2 comprising administering to said patient an effective amount of a compound in accordance with  
3 claim 1.

1 Claim 53 (withdrawn): A method of treating dysmenorrhea, said method  
2 comprising administering to said patient an effective amount of a compound in accordance with  
3 claim 1.

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cont.  
1 Claim 54 (withdrawn): A method of treating endocrine hormone-dependent  
2 tumors, said method comprising administering to said patient an effective amount of a compound  
3 in accordance with claim 1.

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cont.  
1 Claim 55 (withdrawn): A method of treating meningiomas, said method  
2 comprising administering to said patient an effective amount of a compound in accordance with  
3 claim 1.

1 Claim 56 (withdrawn): A method of treating uterine fibroids in a patient, said  
2 method comprising administering to said patient an effective amount of a compound in  
3 accordance with claim 1.

1 Claim 57 (withdrawn): A method of inhibiting uterine endometrial proliferation  
2 in a patient, said method comprising administering to said patient an effective amount of a  
3 compound in accordance with claim 1.

1 Claim 58 (withdrawn): A method of inducing labor, said method comprising  
2 administering to a patient an effective amount of a compound in accordance with claim 1.

1 Claim 59 (withdrawn): A method of contraception, said method comprising  
2 administering to a patient an effective amount of a compound in accordance with claim 1.

1 Claim 60 (withdrawn): A method of postcoital contraception, said method  
2 comprising administering to a patient an effective amount of a compound in accordance with  
3 claim 1.

1 Claim 61 (new): The compound in accordance with claim 1, wherein:  
2  
3

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;  
3 R<sup>2</sup> is methoxy;  
4 R<sup>3</sup> is acetoxy;  
5 R<sup>4</sup> is methyl; and  
6 X is =O.

1 Claim 62 (new): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;  
3 R<sup>2</sup> is acetoxy;  
4 R<sup>3</sup> is acetoxy;  
5 R<sup>4</sup> is methyl; and  
6 X is =O.

1 Claim 63 (new): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(C)H<sub>3</sub>)<sub>2</sub>;  
3 R<sup>2</sup> is ethoxy;  
4 R<sup>3</sup> is acetoxy;  
5 R<sup>4</sup> is methyl; and  
6 X is =O.

1 Claim 64 (new): The compound in accordance with claim 1, wherein:

2 R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;  
3 R<sup>2</sup> is -OC(O)CH<sub>2</sub>CH<sub>2</sub>C<sub>5</sub>H<sub>9</sub>;  
4 R<sup>3</sup> is acetoxy;  
5 R<sup>4</sup> is methyl; and  
6 X is =O.

1 Claim 65 (new): The compound in accordance with claim 1, wherein:

Appl. No. 09/526,855

Amdt. dated August 26, 2003

Reply to Office Action of February 26, 2003

PATENT

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cont.

D2  
4  
5  
6  
cont.

~~R<sup>1</sup> is -N(CH<sub>3</sub>)<sub>2</sub>;~~

~~R<sup>2</sup> is hydroxy;~~

~~R<sup>3</sup> is acetoxy;~~

~~R<sup>4</sup> is methyl; and~~

~~X is =O.~~